

CLAIMS

1. Method of transmission of chain of database managing messages between a management centre and a plurality of subscriber databases, each management message member of this chain comprising a chain header, a chain identifier allowing the simultaneous transmission of several chains and a chain index allowing to identify the message in the chain, wherein this method comprises the step of adding to each message a conditional block which determines if this current message is to be processed without references to all or part of other messages member of the chain, and in the negative event, this conditional block comprises conditions linked to the previous processing of all or part of other messages member of the chain.
2. Method of transmission according to claim 1, wherein the conditional block comprises for at least one message of the chain if this message can, or must, or must not have been processed first.
3. Method of transmission according to claim 1 or 2, wherein it comprises the step of managing a table in the subscriber database containing an information representing the processing state of each member of the chain, and to update said table every time that a member of the chain is processed, and to reset said table either on request of the managing centre, or after a predefined time.
4. Method of transmission according to claim 1, wherein the subscriber database is connected to a subscriber unit and in that it comprises the step of memorising the management messages in a memory of the subscriber unit and to present them on request to the subscriber database.
5. Method of transmission according to claim 4, wherein it comprises the step of memorising in series the incoming messages, each incoming message causing the increase of a stack pointer of incoming messages, and to allow a direct access of the messages requested by the subscriber database.
6. Method of transmission according to claim 4, wherein the memory in the subscriber unit is configured as a serial memory buffer having a fixed length.

7. Method of transmission according to claim 4 , wherein it comprises the step of receiving in the subscriber database, a message member of a chain, and to allocate in the subscriber unit, the memory necessary for receiving all the member of this chain.
8. Method of transmission according to claim 4, wherein it comprises the step of requesting the composition by the subscriber module of a managing message describing its software and hardware resources and in sending said message, either to the subscriber database or to the management centre.
9. Method of transmission according to claim 8, wherein this request is transmitted, either by the management centre under the form of a management message, or by the subscriber database under the form of an instruction by the I/O line.
10. Transmission system of chain of managing database messages, this system comprising a management centre and a plurality of subscriber's unit, each unit comprising a subscriber database located in a security module, each message member of the chain comprising a header, a chain identifier allowing the simultaneous transmission of several chains, and a chain index allowing to identify the message in the chain, wherein it includes a conditional block which determines if the message has to be processed without reference to all or part of the other messages member of the chain, and in the negative event, this conditional block comprises conditions linked to the previous processing of all or part of messages member of the chain.
11. Transmission system of chain of messages according to claim 10, wherein the conditional block and in the negative event, this conditional block comprises a condition determining if all or part of the messages member of the chain can, or must, or must not have been processed first.
12. Transmission system of chain of messages according to claims 10 and 11, wherein the security module includes a message manager able to store in a memory the state of the processing of each message of the chain, and that it includes comparison means of this state with the conditions mentioned in the conditional block of the message currently processed.

13. Transmission system of chain of messages according to claim 10, wherein the subscriber unit includes a memory of messages, each incoming message causing the displacement of a input pointer in the memory, and the security module includes means to read and process these messages.

14. Transmission system of chain of messages according to claim 12, wherein the subscriber unit includes a connection line towards the security module and it includes means to determine the size of the memory according to the instructions received from the security module, and to means to reply to the security module with the composition of a managing message

15. TRANSMISSION SYSTEM OF CHAIN OF MESSAGES ACCORDING TO CLAIM 12, WHEREIN THE SUBSCRIBER UNIT INCLUDES A SELECTION MODULE (SW) ALLOWING TO CONNECT THE SEPARATOR OF MANAGEMENT MESSAGES, THE PROCESSING CENTER OF THE SUBSCRIBER MODULE, THE SECURITY MODULE AND THE MEMORY, AND MEANS TO RECOGNIZE THE MANAGEMENT MESSAGES DESTINED ONLY TO THE PROCESSING CENTER AND FORWARDING BY THE SELECTION MODULE THESE MESSAGES ONLY TOWARDS THE PROCESSING CENTER.